

## Canusa-CPS PE-1 Engineered Copolymer

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Canusa-CPS PE-1 Engineered Copolymer
<b>Product Family</b>	Adhesives
<b>Recommended Use</b>	Adhesive.
<b>Manufacturer/Supplier Identifier</b>	CANUSA-CPS, A DIVISION OF SHAWCOR LTD., 25 BETHRIDGE ROAD, TORONTO, ON, M9W 1M7, (416) 743-7111
<b>Emergency Phone No.</b>	Canusa, (613) 996-6666 (CANUTEC)
<b>SDS No.</b>	0236

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Skin irritation - Category 3

#### Label Elements

##### Warning

May cause irritation to eyes, skin, and lungs.

Overheating may release harmful vapours.

If skin irritation occurs: Get medical advice or attention.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Hydrocarbons, C6-20, polymers, hydrogenated	69430-35-9	10-30	
Polyethylene, high-density	9002-88-4	1-10	
Titanium dioxide	13463-67-7	0.2	

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

If exposed to fumes or gases during overheating, seek medical attention.

##### Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell. For contact with hot material; flush with water and do not attempt to remove material from skin.

##### Eye Contact

Flush with water for 15 minutes. Get medical attention.

##### Ingestion

Do not induce vomiting. Get medical advice or attention if you feel unwell or are concerned.

### SECTION 5. FIRE-FIGHTING MEASURES

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## Extinguishing Media

### Suitable Extinguishing Media

Water spray; dry chemical; carbon dioxide; foam.

## Specific Hazards Arising from the Product

Irritating and harmful vapours may be released during decomposition.

Very toxic carbon monoxide, carbon dioxide; organic acids; carboxylic acids; toxic, flammable aldehydes; alcohols; acrolein; corrosive phosphorous oxides; corrosive sulfur oxides.

## Special Protective Equipment and Precautions for Fire-fighters

Use self-contained breathing apparatus during firefighting. Fight fire from a protected location; avoid high pressure, direct water stream that may spread molten or burning resins. Fight fire from a protected location; avoid high pressure, direct water stream that may spread molten or burning resins.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Wear appropriate personal protective equipment.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Shovel into clean, dry, labelled containers and cover. Allow to cool and harden before placing it in a closed container for disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid heating above decomposition temperatures. Do not breathe fumes produced during overheating or burning.

### Conditions for Safe Storage

Cool, dry environment.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Polyethylene, high-density	Not established		Not established			

### Appropriate Engineering Controls

General ventilation is usually adequate. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

Not normally required if product is used as directed. Respiratory protection is recommended where product is overheated in poorly ventilated areas.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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## Basic Physical and Chemical Properties

Appearance	Grey.
Odour	Oily
Melting Point/Freezing Point	130 °C (melting); 130 °C (freezing)
Flash Point	300 °C
Relative Density (water = 1)	0.9
Decomposition Temperature	300 °C
<b>Other Information</b>	
Physical State	Solid
Other Physical Property 1	Pelletized hot-melt adhesive.

## SECTION 10. STABILITY AND REACTIVITY

### Chemical Stability

Normally stable.

### Conditions to Avoid

Excessive heat.

### Incompatible Materials

Strong acids; oxidizing agents.

### Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; organic acids; carboxylic acids; very toxic, flammable aldehydes; alcohols; acrolein; corrosive phosphorous oxides; corrosive sulfur oxides.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Polyethylene, high-density		> 2000 mg/kg (rat)	
Titanium dioxide	> 6820 mg/m <sup>3</sup> (rat) (4-hour exposure)	> 25000 mg/kg (rat)	> 10000 mg/kg (rabbit)

### Skin Corrosion/Irritation

May cause irritation.

### Serious Eye Damage/Irritation

Mechanical irritation.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May cause irritation.

#### Ingestion

May cause irritation of the digestive tract.

### Respiratory and/or Skin Sensitization

Prolonged inhalation may cause headache, dizziness and nausea.

### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Hydrocarbons, C6-20, polymers, hydrogenated	Not Listed	Not designated	Not Listed	Not Listed
Polyethylene, high-density	Not Listed	Not designated	Not Listed	Not Listed

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Titanium dioxide	Group 2B	A4	Not Listed	Not Listed
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Not known to cause cancer.

Key to Abbreviations

IARC = International Agency for Research on Cancer. Group 3 = Not classifiable as to its carcinogenicity to humans.

### Reproductive Toxicity

#### Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

#### Germ Cell Mutagenicity

Not known to be a mutagen.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No information was located.

#### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Titanium dioxide	> 10 mg/L (Daphnia pulex (water flea); 48-hour; fresh water; static)	> 100 mg/L (Daphnia magna (water flea); 48-hour; fresh water; static)		

### Persistence and Degradability

No information was located.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of in compliance with all federal, state, provincial, municipal and local legislation.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

**Special Precautions** Not applicable

### Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

The regulatory information provided is not intended to be comprehensive. Other local, state, provincial, federal international or country specific regulations may apply to this material. This product has been classified in accordance with the hazard criteria of the controlled products regulations (CPR) and the MSDS contains all the information required by the CPR.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** SHAWCOR LTD.  
**Phone No.** (416) 743-7111  
**Date of Preparation** January 31, 2013  
**Date of Last Revision** February 01, 2017

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**Key to Abbreviations** HSDB® = Hazardous Substances Data Bank  
ACGIH® = American Conference of Governmental Industrial Hygienists  
NIOSH = National Institute for Occupational Safety and Health  
OSHA = US Occupational Safety and Health Administration

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).  
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

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